

CLAIMS

1. A stent shaped as a three-dimensional body whose surface is formed by at least two groups of turns (2 and 3) made of interlaced elastic threads and
5 arranged along helical lines having opposite senses of helix, and the end faces of said three-dimensional body are formed by sections (5) where the turns of one helical line pass into the turns of the other helical line, CHARACTERIZED in that each of said sections of
10 passing the turns of the helical lines is formed by a bend of a segment of a single elastic thread (1) from which the turns of helical lines are made.

2. A stent as set forth in claim 1, CHARACTERIZED in that the turns of all helical lines are made of a
15 single segment of the thread (1).

3. A stent as set forth in claim 1 or 2, CHARACTERIZED in that the turns, (2 and 3) of helical lines are arranged with a variable pitch.

4. A stent as set forth in any one of claims 1-3,
20 CHARACTERIZED in that the three-dimensional body has a variable transverse diameter.

5. A stent as set forth in any one of claims 1-4, CHARACTERIZED in that a preset section (8) of the three-dimensional body is provided with the additionally
25 interwoven threads (1).

6. A stent according to any one of Claims 1-5,

CHARACTERIZED in that free ends (4) of the threads (1) are joined to the threads (1) that form the helical turns, and/or to one another.

7. A stent according to any one of Claims 1-6,
5 CHARACTERIZED in that on the sections (5) where the turns of one helical line pass into those of the other helical line having the opposite sense of helix.

8. A stent according to any one of Claims 1-7,
10 CHARACTERIZED in that the bending points on the sections (5) where the turns (2 and 3) merge, are situated in different transverse planes relative to the longitudinal axis of the three-dimensional body.

9. A stent according to any one of Claims 1-8,
15 CHARACTERIZED in that the threads (1) are made of a material featuring the shape memory effect.

10. A stent according to any one of Claims 1-8,
CHARACTERIZED in that the threads (1) are made of a superelastic material.

11. A stent according to any one of Claims 1-8,
20 CHARACTERIZED in that the three-dimensional body has a coating of a biocompatible material.